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| APPLICATION NO.   | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 09/911,409  | 07/25/2001  | Tsuyoshi Tamura      | 110195              | 4925             |
| 25944   | 7590        | 03/05/2004           | EXAMINER            |                  |
| OLIFF & BERRIDGE, PLC<br>P.O. BOX 19928<br>ALEXANDRIA, VA 22320 |             |                      | NGUYEN, KEVIN M     |                  |
|   |             |                      | ART UNIT            | PAPER NUMBER     |
|   |             |                      | 2674                | 14               |

DATE MAILED: 03/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/911,409

Applicant(s)

TAMURA, TSUYOSHI

Examiner

Kevin M. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 29 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 3-8 and 11-16 is/are allowed.
- 6) ☒ Claim(s) 1,2,9,10 and 17 is/are rejected.
- 7) ☒ Claim(s) 18 and 19 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 2/11/04.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date: \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

Applicant's request for reconsideration of the rejection of the Office action is persuasive and, therefore, the rejection of that action is withdrawn. However, the claims 1, 2, 9, 10 and 17 have been rejected in view of the newly discovered reference(s) to Akimoto et al (IDS equivalent to US 6,329,973). Rejections based on the newly cited reference(s) follow.

#### ***Information Disclosure Statement***

1. The information disclosure statement filed 9/20/2001, 11/9/2001, 12/03/2002, and 02/11/2004 which have been placed in the application file, the information referred to therein has been considered as to the merits.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 2, 9, 10 and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Akimoto et al (US 6,329,973).

As to claim 1, Akimoto et al teaches a memory driver for display device (fig. 1) comprising

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[lines 3-4 of claim 1]

a first bus lines (a still image write line 7, fig. 1) transfer the still-image, a second bus lines (a moving image write line 4, fig. 1) transfer the moving image data;

[lines 5-6 of claim 1]

a RAM (a still image memory 6, fig. 1) stores the still image data, and a RAM (a moving image decoder 3, fig. 1) stores the moving image data;

[lines 7-9 of claim 1]

the timing generating circuit 20 (a first control circuit, fig. 1) controls the reading operation of data from the still image memory 6 (fig. 1), the text code memory 8 (fig. 1), and the icon/window address memory 12 (fig. 1, col. 4, lines 43-46).

[lines 10-12 of claim 1]

the write signal generating circuit 17 (a second control circuit, fig. 1) sends a write signal to the display pixel array 18 (fig. 1) on the basis of inputted image data, which will be described hereinafter with reference to fig. 2 (col. 4, lines 55-58).

As to claim 2, Akimoto et al teaches the memory driver (fig. 1) comprising the interface including a plurality of pin connectors. The plurality of pin connectors correspond to a first port and a second port as claimed. The still image memory 6 (fig. 1) is a memory

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chip, comprising a plurality of pin connectors. The plurality of pin connectors correspond to a third port as claimed.

As to claims 9 and 10, Akimoto et al teaches column drivers (41, 42, 43, 44, fig. 2), and row drivers (51, 52, fig. 2).

As to claim 17, Akimoto et al teaches information is transferred and received wirelessly between the radio interface 32 in the parent device 31 and a radio interface 2 in the child device 1 (col. 3, lines 19-22).

***Allowable Subject Matter***

3. Claims 3-8, 11-16 are allowed.

4. The following is a statement of reasons for the indication of allowable subject matter:

Akimoto et al does not teach [recited in lines 7-21 of claim 3].

5. Claim 18 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter:

Akimoto et al does not teach [recited in lines 5-13 of claim 18].

**Conclusion**

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Kevin M. Nguyen** whose telephone number is **703-305-6209**. The examiner can normally be reached on MON-THU from 9:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard A Hjerpe** can be reached on **703-305-4709**.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to:**

**(703) 872-9314 (for Technology Center 2600 only)**

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Kevin M. Nguyen  
Patent Examiner  
Art Unit 2674

KN  
February 27, 2004

  
**XIAO WU**  
**PRIMARY EXAMINER**